

Appln. No. 09/882,472
Response dated Feb. 17, 2006
Reply to Office Action of Nov. 17, 2005
Docket No. 6169-157

IBM Docket No. BOC9-2000-0016

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A method for processing speech audio in a network connected client device comprising:

selecting a speech grammar for use in a speech recognition system in the network connected client device;

characterizing the selected speech grammar based upon a pre-determined characterization embedded within the selected speech grammar, the pre-determined characterization specifying at least one of a predetermined complexity of the speech grammar and a preference for processing the speech grammar locally in the client device or remotely in a speech server; and,

based on the pre-determined characterization, determining whether to process the speech grammar locally in the network connected client device, or remotely in a speech server in the network.

2. (Original) The method of claim 1, wherein the selecting step comprises:

establishing a communications session with a speech server; and,

querying said speech server for a speech grammar over said established communications session.

3. (Currently Amended) The method of claim 1, wherein the selecting step comprises:

Appln. No. 09/882,472
Response dated Feb. 17, 2006
Reply to Office Action of Nov. 17, 2005
Docket No. 6169-157

IBM Docket No. BOC9-2000-0016

establishing a communications session with a speech server; [[and,]]
selecting a speech grammar stored in the network connected device; and,
uploading the selected speech grammar to the speech server.

4. (Original) The method of claim 2, wherein said selecting step further comprises:

registering said speech grammar in said speech recognition system.

5. (Original) The method of claim 1, wherein said characterizing step comprises:
determining whether said selected speech grammar is a complex speech grammar.

6. (Currently Amended) The method of claim 1, wherein said characterizing step comprises:

identifying in said speech grammar [[a]] said pre-determined characterization.

7. (Original) The method of claim 6, wherein said pre-determined characterization is a pre-determined complexity.

8. (Original) The method of claim 6, wherein said pre-determined characterization specifies a pre-determined preference for processing said speech grammar either locally or remotely.

9. (Original) The method of claim 8, wherein said pre-determined characterization further specifies a location of a server for remotely processing said speech grammar.

Appln. No. 09/882,472
Response dated Feb. 17, 2006
Reply to Office Action of Nov. 17, 2005
Docket No. 6169-157

IBM Docket No. BOC9-2000-0016

10. (Currently Amended) A network distributable speech grammar configured for distribution to network connected client devices comprising:

a speech grammar; and,

a pre-determined characterization of said speech grammar~~[[,]]~~ embedded in said speech grammar, said pre-determined characterization ~~associated with said speech grammar and configured for selectively~~ specifying a pre-determined preference for processing said speech grammar either locally or remotely.

11. (Original) The network distributable speech grammar of claim 10, wherein said pre-determined characterization is a pre-determined complexity.

12. (Cancelled)

13. (Currently Amended) The network distributable speech grammar of claim ~~[[12]]~~ 10, wherein said pre-determined characterization further specifies a location of a server for remotely processing said speech grammar.

14. (Currently Amended) A machine readable storage, having stored thereon a computer program for processing speech audio in a network connected client device, said computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

selecting a speech grammar for use in a speech recognition system in the network connected client device;

characterizing the selected speech grammar based upon a pre-determined characterization embedded within the selected speech grammar, the pre-determined characterization specifying at least one of a predetermined complexity of the speech

Appl. No. 09/882,472

IBM Docket No. BOC9-2000-0016

Response dated Feb. 17, 2006

Reply to Office Action of Nov. 17, 2005

Docket No. 6169-157

grammar and a preference for processing the speech grammar locally in the client device or remotely in a speech server; and,

based on the pre-determined characterization, determining whether to process the speech grammar locally in the network connected client device, or remotely in a speech server in the network.

15. (Original) The machine readable storage of claim 14, wherein the selecting step comprises:

establishing a communications session with a speech server; and,

querying said speech server for a speech grammar over said established communications session.

16. (Currently Amended) The machine readable storage of claim 14, wherein the selecting step comprises:

establishing a communications session with a speech server; [[and,]]

selecting a speech grammar stored in the network connected device; and,

uploading the selected speech grammar to the speech server.

17. (Original) The machine readable storage of claim 15, wherein said selecting step further comprises:

registering said speech grammar in said speech recognition system.

18. (Original) The machine readable storage of claim 15, wherein said characterizing step comprises:

determining whether said selected speech grammar is a complex speech grammar.

Appl. No. 09/882,472

IBM Docket No. BOC9-2000-0016

Response dated Feb. 17, 2006

Reply to Office Action of Nov. 17, 2005

Docket No. 6169-157

19. (Currently Amended) The machine readable storage of claim 15, wherein said characterizing step comprises:

identifying in said speech grammar [[a]] said pre-determined characterization.

20. (Original) The machine readable storage of claim 19, wherein said pre-determined characterization is a pre-determined complexity.

21. (Original) The machine readable storage of claim 19, wherein said pre-determined characterization specifies a pre-determined preference for processing said speech grammar either locally or remotely.

22. (Original) The machine readable storage of claim 21, wherein said pre-determined characterization further specifies a location of a server for remotely processing said speech grammar.

23. (Currently Amended) A method for processing speech audio in a network connected client device comprising:

selecting a speech grammar for use in a speech recognition system in the network connected client device;

characterizing the selected speech grammar, the characterizing based upon ~~whether a predetermined characterization specifying~~ a predefined processing complexity of the speech grammar, and determining whether the complexity exceeds a predetermined threshold processing capability of the network connected client device; and,

processing the speech grammar remotely in a speech server in the network if the predefined processing complexity exceeds the predetermined threshold.

Appl. No. 09/882,472
Response dated Feb. 17, 2006
Reply to Office Action of Nov. 17, 2005
Docket No. 6169-157

IBM Docket No. BOC9-2000-0016

24. (Currently Amended) A method for processing speech audio in a network connected client device comprising:

selecting a speech grammar for use in a speech recognition system in the network connected client device;

identifying a processing preference based upon a predetermined characterization embedded in said in the speech grammar, said predetermined characterization specifying based upon at least one of a predetermined complexity of the speech grammar ~~[[and]]~~ relative to processing resources of the network connected client device; and,

determining whether to process the speech grammar locally in the network connected client device or remotely in a speech server in the network based on the predetermined preference specified by the predetermined characterization.

25. (Currently Amended) The method of Claim 24, wherein the processing preference specifies a location of the speech server ~~[[fro]]~~ for remotely processing the speech grammar.